0200 0200 OHPO OIPE #3

CRF Errors Corrected by the STIC Systems Branch

CRF Processing Date: 1/24/2002

Serial Number: 10/029,654 ENTERED

Edited by:

Verified by: (STIC staff)

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☑ Deleted: ☑ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____.
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

OIPE

RAW SEQUENCE LISTING DATE: 01/24/2002
PATENT APPLICATION: US/10/029,654 TIME: 18:40:23

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\01242002\J029654.raw

3 <110> APPLICANT: Boehringer Ingelheim Pharma KG
5 <120> TITLE OF INVENTION: Methods for identifying substances for treating
6 inflammatory conditions
8 <130> FILE REFERENCE: 1/1178
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/029,654
C--> 11 <141> CURRENT FILING DATE: 2001-12-21
13 <150> PRIOR APPLICATION NUMBER: US 60/257,878
14 <151> PRIOR FILING DATE: 2000-12-22
16 <160> NUMBER OF SEQ ID NOS: 20
18 <170> SOFTWARE: PatentIn Ver. 2.1
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 2167
22 <212> TYPE: DNA
23 <213> ORGANISM: Homo sapiens
25 <400> SEQUENCE: 1
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28 ttcactgaga ctggtatatg gattgcacct atcagagacc aaggacagga cctccctgga 180
29 aatctctgag gacctggcct gtgatccagt tgctgccttg tcctcttcct gctatgtcat 240
30 ggcttatctt ctttcaccca ttcattcatt cattcattca ttcagcagta ttagtcaatg 300
31 tctcttgata tgcctggcac ctgctagatg gtccccgagt ttaccattag tggaaaagac 360
32 atttaagaaa ttcaccaagg gctctatgag aggccataca cggtggacct gactagggtg 420
33 tggcttccct gaggagctga agttgcccag aggcccagag aaggggagct gagcacgttt 480
34 gaaccactga acctgctctg gacctcgcct ccttccttcg gtgcctccca gcatcctatc 540
35 ctctttaaag agcaggggtt cagggaagtt ccctggatgg tgattcgcag gggcagctcc 600
36 cctctcacct gccgcatgac taccccgccc catctcaaac acacaagctc acgcatgcgg 660
37 gactggagcc cttgaggaca tgtggcccaa agacaggagg tacaggggct cagtgcgtgc 720
38 agtggaatga actgggcttc atctctggaa gggtaagggg ccatcttccg ggttcaccgc 780
39 cgcatcccca cccccggcac agcgcctcct ggcgactaac atcggtgact tagtgaaagg 840
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41 aggttggagc ggtgcgccgg gcttagcggc ggttgctgga ggaacgggcg gagtcgccca 960
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51 tcatggcctt cggcggctcc agcgagccgt gcgcgctctg cagcctgcac agcatcggca 1560
52 agatcggcgg cgcgcagaac cgctcctaca gcaagctgct gtgcggcctg ctggccgagc 1620
53 gcctgcgcat cagcccggac aggtacgcgg agtcgcggag gggcggggga ggggcggcgg 1680

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ctaagagccg cagggaccca cgctgtctgc gctggctcca cccgggaacc cgccgcacgc 1860
tgtgttctag gcccgcccac cccaaccttc tggtggggag aaataaacgg tttagagact 1920
aggagtgcct cggggttcct tggcttgcgg gaggaattgg tgcagagccg ggacattggg 1980
gagcgaggtc gggaaacggt gttgggggcg ggggtcaggg ccgggttgct ctcctcgaac 2040
ctgctgttcg ggagcccttt tgtccagcct gtccctccta cgctcctaac agaggagccc 2100
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<210> SEQ ID NO: 2
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<213> ORGANISM: Homo sapiens

<400> SEQUENCE: 2

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Asp Gly Phe Leu Ser Glu Leu Thr Gln Gln Leu Ala Gln Ala Thr Gly
            20                  25                  30
Lys Pro Pro Gln Tyr Ile Ala Val His Val Val Pro Asp Gln Leu Met
        35                  40                  45
Ala Phe Gly Gly Ser Ser Glu Pro Cys Ala Leu Cys Ser Leu His Ser
    50                  55                  60
Ile Gly Lys Ile Gly Gly Ala Gln Asn Arg Ser Tyr Ser Lys Leu Leu
65                  70                  75                  80
Cys Gly Leu Leu Ala Glu Arg Leu Arg Ile Ser Pro Asp Arg Val Tyr
                85                  90                  95
Ile Asn Tyr Tyr Asp Met Asn Ala Ala Asn Val Gly Trp Asn Asn Ser
            100                 105                 110
Thr Phe Ala
        115
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<212> TYPE: DNA
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<400> SEQUENCE: 3

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tccactccgc agcgtctgaa gttgctggac gcgtacctgc tgtatatact gctgaccggg 180
gcgctgcagt tcggttactg tctcctcgtg gggaccttcc ccttcaactc ttttctctcg 240
ggcttcatct cttgtgtggg gagtttcatc ctagcggttt gcctgagaat acagatcaac 300
ccacagaaca aagcggattt ccaaggcatc tccccagagc gagcctttgc tgattttctc 360
tttgccagca ccatcctgca ccttgttgtc atgaactttg ttggctgaat cattctcatt 420
tacttaattg aggagtagga gactaaaaga atgttcactc tttgaatttc ctggataaga 480
gttctggaga tggcagctta ttggacacat ggattttctt cagatttgac acttactgct 540
agctctgctt tttatgacag gagaaaagcc cagagttcac tgtgtgtcag aacaactttc 600
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<210> SEQ ID NO: 4
<211> LENGTH: 113

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<212> TYPE: PRT
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 4

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Leu Ser Ser Thr Pro Gln Arg Leu Lys Leu Leu Asp Ala Tyr Leu Leu
            20                  25                  30
Tyr Ile Leu Leu Thr Gly Ala Leu Gln Phe Gly Tyr Cys Leu Leu Val
        35                  40                  45
Gly Thr Phe Pro Phe Asn Ser Phe Leu Ser Gly Phe Ile Ser Cys Val
    50                  55                  60
Gly Ser Phe Ile Leu Ala Val Cys Leu Arg Ile Gln Ile Asn Pro Gln
65                  70                  75                  80
Asn Lys Ala Asp Phe Gln Gly Ile Ser Pro Glu Arg Ala Phe Ala Asp
                85                  90                  95
Phe Leu Phe Ala Ser Thr Ile Leu His Leu Val Val Met Asn Phe Val
            100                 105                 110
Gly
```

<210> SEQ ID NO: 5
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<212> TYPE: DNA
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ggagcagtct tatagctgga tcagctacca agagaagttg taaaccaaga agagaaaagc 120
atttcaattt gggacattta tttgcacctg gaaatgggga atgggctgtc agaccagact 180
tctatcctgt ccaacctgcc ttcatttcag tctttccaca ttgttattct gggtttggac 240
tgtgctggaa agacaacagt cttatacagg ctgcagttca atgaatttgt aaataccgta 300
cctaccaaag gatttaacac tgagaaaatt aaggtaacct tgggaaattc taaaacagtc 360
acttttcact tctgggatgt aggtggtcag gagaaattaa ggccactgtg gaagtcatat 420
accagatgca cagatggcat tgtatttgtt gtggactctg ttgatgtcga aaggatggaa 480
gaagccaaaa ctgaacttca caaaataact aggatatcag aaaatcaggg agtccctgta 540
cttatagttg ctaacaaaca agatttgagg aactcattgt cactttcaga aattgagaaa 600
ttgttagcaa tgggtgaact gagctcatca actccttggc atttgcagcc tacctgtgca 660
atcataggag atggcctaaa ggaaggactt gagaaactac atgatatgat cattaaaaga 720
agaaaaatgt tgcggcaaca gaaaaagaaa agatgaatat caatacctat tatatctgtg 780
tggagtaggt tttctctggt ctgattttga caaatagaag agtgtctaca ccgtcctttg 840
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<210> SEQ ID NO: 6
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<212> TYPE: PRT
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 6

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Met Gly Asn Gly Leu Ser Asp Gln Thr Ser Ile Leu Ser Asn Leu Pro
 1               5                  10                  15
Ser Phe Gln Ser Phe His Ile Val Ile Leu Gly Leu Asp Cys Ala Gly
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Input Set : A:\PTO.AMC.txt
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```
184                20                  25                  30
186 Lys Thr Thr Val Leu Tyr Arg Leu Gln Phe Asn Glu Phe Val Asn Thr
187          35                  40                  45
189 Val Pro Thr Lys Gly Phe Asn Thr Glu Lys Ile Lys Val Thr Leu Gly
190      50                  55                  60
192 Asn Ser Lys Thr Val Thr Phe His Phe Trp Asp Val Gly Gly Gln Glu
193  65                  70                  75                  80
195 Lys Leu Arg Pro Leu Trp Lys Ser Tyr Thr Arg Cys Thr Asp Gly Ile
196                  85                  90                  95
198 Val Phe Val Val Asp Ser Val Asp Val Glu Arg Met Glu Glu Ala Lys
199              100                 105                 110
201 Thr Glu Leu His Lys Ile Thr Arg Ile Ser Glu Asn Gln Gly Val Pro
202          115                 120                 125
204 Val Leu Ile Val Ala Asn Lys Gln Asp Leu Arg Asn Ser Leu Ser Leu
205      130                 135                 140
207 Ser Glu Ile Glu Lys Leu Leu Ala Met Gly Glu Leu Ser Ser Ser Thr
208 145                 150                 155                 160
210 Pro Trp His Leu Gln Pro Thr Cys Ala Ile Ile Gly Asp Gly Leu Lys
211                 165                 170                 175
213 Glu Gly Leu Glu Lys Leu His Asp Met Ile Ile Lys Arg Arg Lys Met
214              180                 185                 190
216 Leu Arg Gln Gln Lys Lys Lys Arg
217          195                 200
220 <210> SEQ ID NO: 7
221 <211> LENGTH: 2379
222 <212> TYPE: DNA
223 <213> ORGANISM: Homo sapiens
225 <400> SEQUENCE: 7
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227 ccggggtcac cccggagcct gtccgctatg cggctcctgc ctctagcccc aggtcggctc 120
228 cggcggggca gcccccgcca cctgccctcc tgcagcccag cgctgctact gctggtgctg 180
229 ggcggctgcc tgggggtctt cggggtggct gcgggaaccc ggaggcccaa cgtggtgctg 240
230 ctcctcacgg acgaccagga cgaagtgctc ggcggcatga caccactaaa gaaaaccaaa 300
231 gctctcatcg gagagatggg gatgactttt tccagtgctt atgtgccaag tgctctctgc 360
232 tgccccagca gagccagtat cctgacagga aagtacccac ataatcatca cgttgtgaac 420
233 aacactctgg aggggaactg cagtagtaag tcctggcaga agatccaaga accaaatact 480
234 ttcccagcaa ttctcagatc aatgtgtggt tatcagacct tttttgcagg gaaatattta 540
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237 gcacggaagc atggtgaaaa ctatagtgtg gactacctga cagatgtttt ggctaatgtc 720
238 tccttggact ttctggacta caagtccaac tttgagccct tcttcatgat gatcgccact 780
239 ccagcgcctc attcgccttg gacagctgca cctcagtacc agaaggcttt ccagaatgtc 840
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241 caagccaaga ctccaatgac taattcttca atacagtttt tagataatgc atttaggaaa 960
242 aggtggcaaa ctctcctctc agttgatgac cttgtggaga aactggtcaa gaggctggag 1020
243 ttcactgggg agctcaacaa cacttacatc ttctatacct cagacaatgg ctatcacaca 1080
244 ggacagtttt ccttgccaat agacaagaga cagctgtatg agtttgatat caaagttcca 1140
245 ctgttggttc gaggacctgg gatcaaacca aatcagacaa gcaagatgct ggttgccaac 1200
246 attgacttgg gtcctactat tttggacatt gctggctacg acctaaataa gacacagatg 1260
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248 gtcctggtgg aataccaagg agaaggccgt aacgtcactg acccaacatg cccttccctg 1380
249 agtcctggcg tatctcaatg cttcccagac tgtgtatgtg aagatgctta taacaatacc 1440
250 tatgcctgtg tgaggacaat gtcagcattg tggaatttgc agtattgcga gtttgatgac 1500
251 caggaggtgt ttgtagaagt ctataatctg actgcagacc cagaccagat cactaacatt 1560
252 gctaaaacca tagacccaga gcttttagga aagatgaact atcggttaat gatgttacag 1620
253 tcctgttctg ggccaacctg tcgcactcca ggggtttttg accccggata caggtttgac 1680
254 ccccgtctca tgttcagcaa tcgcggcagt gtcaggactc gaagattttc caaacatctt 1740
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257 gctttaagtc ctgtttgaaa aagcaaccca gtcagctgac ttcctcgtgc aatgtgttaa 1920
258 actgtgaact ctgcccatgt gtcaggagtg gctgtctctg gtctcttcct ttagctgaca 1980
259 aggacactcc tgaggtcttt gttctcactg tatttttttt atcctggggc cacagttctt 2040
260 gattattcct cttgtggtta aagactgaat ttgtaaaccc attcagataa atggcagtac 2100
261 tttaggacac acacaaacac acagatacac cttttgatat gtaagcttga cctaaagtca 2160
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264 gataagtaga gatacatttt ttatgatgtt catcacagtg tggtaaggtt gcaaattcaa 2340
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269 <210> SEQ ID NO: 8
270 <211> LENGTH: 552
271 <212> TYPE: PRT
272 <213> ORGANISM: Homo sapiens
274 <400> SEQUENCE: 8
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278 Arg His Leu Pro Ser Cys Ser Pro Ala Leu Leu Leu Leu Val Leu Gly
279 20 25 30
281 Gly Cys Leu Gly Val Phe Gly Val Ala Ala Gly Thr Arg Arg Pro Asn
282 35 40 45
284 Val Val Leu Leu Leu Thr Asp Asp Gln Asp Glu Val Leu Gly Gly Met
285 50 55 60
287 Thr Pro Leu Lys Lys Thr Lys Ala Leu Ile Gly Glu Met Gly Met Thr
288 65 70 75 80
290 Phe Ser Ser Ala Tyr Val Pro Ser Ala Leu Cys Cys Pro Ser Arg Ala
291 85 90 95
293 Ser Ile Leu Thr Gly Lys Tyr Pro His Asn His His Val Val Asn Asn
294 100 105 110
296 Thr Leu Glu Gly Asn Cys Ser Ser Lys Ser Trp Gln Lys Ile Gln Glu
297 115 120 125
299 Pro Asn Thr Phe Pro Ala Ile Leu Arg Ser Met Cys Gly Tyr Gln Thr
300 130 135 140
302 Phe Phe Ala Gly Lys Tyr Leu Asn Glu Tyr Gly Ala Pro Asp Ala Gly
303 145 150 155 160
305 Gly Leu Glu His Val Pro Leu Gly Trp Ser Tyr Trp Tyr Ala Leu Glu
306 165 170 175
308 Lys Asn Ser Lys Tyr Tyr Asn Tyr Thr Leu Ser Ile Asn Gly Lys Ala
309 180 185 190
311 Arg Lys His Gly Glu Asn Tyr Ser Val Asp Tyr Leu Thr Asp Val Leu

VERIFICATION SUMMARY DATE: 01/24/2002
PATENT APPLICATION: US/10/029,654 TIME: 18:40:24

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Output Set: N:\CRF3\01242002\J029654.raw

L:10 M:270 C: Current Application Number differs, Replaced Application Number
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date